

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: YAMAMOTO et al.

Serial No.: Rule 53(b) of 10/139,248

Filed: July 9, 2003

For: STORAGE CONTROLLER

Art Unit: Unassigned (2188 previously in parent application)

Examiner: Unassigned (G. Portka previously in parent application)

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

July 9, 2003

Sir:

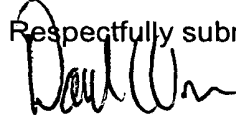
This Information Disclosure Statement is being filed in accordance with 37 C.F.R. §1.97 along with a Form PTO-1449. This Information Disclosure Statement is being filed simultaneously with the filing of this application.

This application claims priority under 35 U.S.C. §120 from parent Application No. 09/149,666 filed September 9, 1998 (now U.S. Patent 6,408,370) as well as Application No. 10/139,248 filed May 7, 2002. Thus, in accordance with 37 C.F.R. §1.98(d), copies of the references cited or submitted in the parent application do not need to be filed by the applicant. Each of EP-0 672 985 and EP-0 671 686 are cited in the specification. An English language Abstract of JP-A-9-325917 was previously submitted.

It is respectfully requested that this Information Disclosure Statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 01-2135 (referencing Case No. 500.36547CC3) and please credit any excess fees to such deposit account.

Respectfully submitted,



David C. Oren  
Registration No. 38,694  
ANTONELLI, TERRY, STOUT & KRAUS, LLP

DCO/pay  
(703) 312-6600

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <div style="text-align: center;"><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></div> <div style="text-align: center; font-size: small;">(use as many sheets as necessary)</div>		<div style="text-align: center;"><b>Complete if Known</b></div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;">Rule 53(b) of 10/139,248</td> </tr> <tr> <td>Filing Date</td> <td>July 9, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>YAMAMOTO, AKIRA</td> </tr> <tr> <td>Art Unit</td> <td>Unassigned</td> </tr> <tr> <td>Examiner Name</td> <td>Unassigned</td> </tr> <tr> <td>Attorney Docket Number</td> <td>500.36547CC3</td> </tr> </table>		Application Number	Rule 53(b) of 10/139,248	Filing Date	July 9, 2003	First Named Inventor	YAMAMOTO, AKIRA	Art Unit	Unassigned	Examiner Name	Unassigned	Attorney Docket Number	500.36547CC3
Application Number	Rule 53(b) of 10/139,248														
Filing Date	July 9, 2003														
First Named Inventor	YAMAMOTO, AKIRA														
Art Unit	Unassigned														
Examiner Name	Unassigned														
Attorney Docket Number	500.36547CC3														
Sheet	1	of	2												

U.S. PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
		US- 6,044,444		03/2000	Ofek	
		US- 5,949,970		09/1999	Sipple et al.	
		US- 5,870,537		02/1999	Kern et al.	
		US- 5,845,328		12/1998	Maya et al.	
		US- 5,799,141		08/1998	Galipeau et al.	
		US- 5,544,347		08/1996	Yanai et al.	
		US- 5,257,352		10/1993	Yamamoto et al.	
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				

FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		EP 0 672 985A1	09/1995			
		EP 0 671 686A1	09/1995			
		JP A 9-325917	12/1997			

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	Rule 53(b) of 10/139,248		
		Filing Date	July 9, 2003		
		First Named Inventor	YAMAMOTO, AKIRA		
		Group Art Unit	Unassigned		
		Examiner Name	Unassigned		
Sheet	2	of	2	Attorney Docket Number	500.36547CC3

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		"IBM 3990/9390 Storage Control Introduction", 9 <sup>th</sup> Edition, IBM Corporation, October 1996, pp. 23-26 and 78-89.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.